Essex Electronics

1-800-KEYLESS keyless.com

2015

Product Overview

Touchless Switch

Hand-E-Wave™

Essex Hand-E-Wave is a rugged, stainless steel, touchless switch which utilizes advanced microwave technology. Ideal for use in sterile environments such as hospitals and food processing plants, Hand-E-Wave's touchless technology helps reduce the spread of bacteria and infectious diseases.



HEW–1



HEW–2

Essex Part No.	Description
HEW – 1	Narrow Style Hand-E-Wave™ Switch
HEW – 2	U.S. Single Gang Hand-E-Wave™ Switch
PRXSR	Surface Mount Spacer Ring for HEW-1
BAK BOX–SGS	Surface Mount Back Box for HEW-2

Smart Card Readers

iRox™ Series

Essex iRox™ and iRox Plus™ are heavy duty smart card readers with Genuine HID Technology™. Built to last, these all weather IP66 rated readers feature stainless steel construction, epoxy encapsulated electronics, audiovisual feedback and a modern low profile design.



IRX–2



IRXP–2

Essex Part No.	Description
IRX – 1	Narrow Style iRox™ iCLASS SE® Reader
IRX – 2	U.S. Single Gang iRox™ iCLASS SE® Reader
IRXP – 1	Narrow Style iRox Plus™ MultiCLASS SE® Reader
IRXP – 2	U.S. Single Gang iRox Plus™ MultiCLASS SE® Reader

Proximity Readers

RoxProx™ Series

Essex RoxProx™ is an extreme duty 125 kHz Proximity reader with Genuine HID Technology™. Features include stainless steel construction, epoxy encapsulated electronics, audiovisual feedback, up to 2" read range and a low profile, vandal resistant design.

- 125kHz Wiegand Proximity Reader with Genuine HID Technology™
- ⅛" Stainless Steel Faceplate
- 5 or 12VDC Field Selectable Input Voltage
- Current Draw: 50mA Standby, 150mA max
- IP 66 Rated, -40° C to +70° C (-40° F to + 160° F), 100% Relative Humidity
- Dimensions: Mullion 4 ½" x 1 ¾" x ¾" Single gang 4 ½" x 2 ¾" x ¾"



PRX–1



PRX–2R

Essex Part No.	Description
PRX – 1	RoxProx™ Narrow Proximity Reader with **Essex Blue Globe design**
PRX – 2	RoxProx™ Single Gang Proximity Reader with **Essex Blue Globe design**
PRX – 1R	RoxProx™ Narrow Proximity Reader with **Essex Red RFID design**
PRX – 2R	RoxProx™ Single Gang Proximity Reader with **Essex Red RFID design**

RoxProx™ IP Series

Essex RoxProx™ IP Series are extremely rugged 125 kHz Proximity Readers designed to communicate over Ethernet. Features include PoE, Auxiliary Proximity / Switch Input, Host Controlled Audio/Visual Feedback and full four state switch monitoring.

Essex Part No.	Description
PRX – 1IP	RoxProx™ IP Series Narrow Ethernet Proximity Reader
PRX – 2IP	RoxProx™ IP Series Single Gang Ethernet Proximity Reader

Keypad Readers

KTP Series

Essex KTP Series are virtually indestructible Piezoelectric Keypad readers designed to interface with access control panels or process control equipment. Fully encapsulated, these readers are unsurpassed in their ability to tolerate any environment.

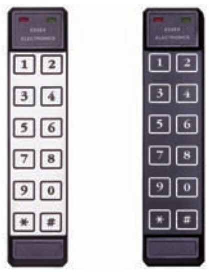
- Superior Performance: Essex Proprietary Switch Technology tested over 1 Billion cycles.
- All Weather: IP66 Rated, -40° C to +70° C (-40° F to + 160° F), 100% Relative Humidity



KTP 12 Pad 3x4

- Dimensions: 5 ⅛” x 3 ⅜” x 7/16”
- Current Draw: < 20 mA
- Mounting: Single gang, surface or flush
- Keypad Bezel: Stainless Steel (SN), Black (KN) or no Bezel (XX)

Essex Part No.	Keypad Output
KTP – 103 – SN	26 Bit Wiegand
KTP – 163 – SN	8 Bit Word
KTP – 4853 – SN	RS – 485



KTP Thinline 2x6

The Thinline 2x6 is a narrow style Keypad intended for Mullion Mount applications.

- Dimensions: 7 ⅛” x 1 ¾“ x ¾”
- Current Draw: < 20 mA, Illuminated: < 60 mA
- Mounting: Surface or mullion mount
- Keypad Overlay: Stainless Steel (SN) or Black Illuminated (LI)

Essex Part No.	Keypad Output
KTP – 102 – SN	26 Bit Wiegand
KTP – 162 – SN	8 Bit Word
KTP – 4852 – SN	RS – 485

Combination Keypad/Card Readers

PiezoProx® and iSMART™

PiezoProx & iSMART are extremely rugged dual technology access control readers. PiezoProx combines an Essex Keypad with HID 125 kHz Proximity. iSMART offers enhanced security by integrating HID iCLASS® 13.56MHz smart card technology.



- IP66 Rated, -40° C to +70° C, 100% Relative Humidity
- Keypad Output: 26 Bit Wiegand (103) or 8 Bit Word (163)
- Keypad Bezel: Stainless Steel (SN) or Black (KN)
- Current Draw: < 80mA with LED’s, < 35mA without LED’s
- Mounting: Single gang switchbox or surface mount
- Dimensions: 7 ¼” x 3 ⅝” x 1 ½”

Card Reader Options

PROX BY HID
iCLASS by HID

Essex Part No.	Description
PPH – 103 – SN	PiezoProx® Reader– HID Proximity w/26 Bit Wiegand Keypad, Stainless Bezel
ISH – 103 – SN	iSMART™ Reader – HID iCLASS w/26 Bit Wiegand Keypad, Stainless Bezel
FOB – 1346 – 50	50 ea. HID Prox Keyfobs (125kHz 26 Bit Proximity)
FOB – 2050 – 50	50 ea. HID iCLASS Keyfobs (13.56MHz 37 Bit iCLASS)
CARD – 1326 – 100	100 ea. HID Clamshell Prox Cards II (125kHz 26 Bit Proximity)
CARD – 2080 – 100	100 ea. HID Clamshell iCLASS Smart Cards (13.56MHz 37 Bit iCLASS)



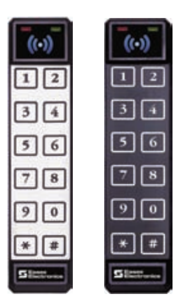
FOB – 1346



CARD – 1326

T-Prox™

T-Prox is a dual technology access control reader which combines an Essex Thinline 2x6 Keypad with HID 125 kHz Proximity.



- IP66 Rated, -40° C to +70° C, 100% Relative Humidity
- Keypad Overlay: Stainless Steel (S) or Black Illuminated (I)
- Current Draw: < 30mA, Illuminated < 100 mA
- Mounting: Surface or mullion mount
- Dimensions: 7 ⅛” x 1 ¾“ x ¾”

Essex Part No.	Description
TPX – 26S	T-Prox Reader – Thinline 2x6 Keypad w/HID Proximity, Stainless Overlay
TPX – 26I	T-Prox Reader – Thinline 2x6 Keypad w/HID Proximity, Black Illuminated Overlay

Access Control

All Weather Keypad • Request to Exit • Latching • Anti Tailgating • Tamper Alarm • Programmable Output Time • Non Volatile Memory

SKE-6



Self Contained, Access Control Keypad

- 6 User
- 12–24VAC/DC In/Out
- 1 SPDT Relay (2 amp at 24V max)
- Doorbell and CCTV Outputs (¼A)
- Keypad Programmable

Essex Part No.	Description
SKE – 6SN	SKE-6, Stainless Overlay
SKE – 6LI	SKE-6, Black Illuminated Overlay

SKE-34/SKE-26

Multiple User, Self Contained, Access Control Keypad



- 500 User
- 12–24VDC In/Out
- 1 SPDT Relay (2 amp at 24V max)
- Keypad Programmable
- 2 Auxiliary Open Collector Outputs (¼A)
- 3x4 Bezel: Stainless (S) or Black (K). 2x6 Overlay: Stainless (S) or Black Illuminated (I)

Essex Part No.	Description
SKE – 34S	SKE-34, 3x4 Stainless
SKE – 26I	SKE-26, 2x6 Black Illuminated

KE-265



Secure, Stand Alone Keypad Access Control System

- 6 User
- 12–24VAC/DC In/Out
- 2 SPDT Relays (6 amp, 120VAC)
- Keypad Programmable
- Separate control module

Essex Part No.	Description
KE – 265 – 5S	KE-265 w/5 Pad Stainless

K1



All-In-One, Secure Keypad Access Control System or OEM Reader (26 Bit Wiegand, 8 Bit Word,...)

Configure as OEM Compatible Reader or Keyless Entry System

- 500 User
- 5VDC or 12–24VDC In/Out
- 3 Programmable Outputs
- Keypad and/or PC Programmable*
- 3x4 Bezel: Stainless (S) or Black (K) 2x6 Overlay: Stainless (S) or Black Illuminated (I)
- Optional Encoded Relay Module (ERM-3) with 3 SPDT Relays (6 amp, 120VAC) for secure access

Essex Part No.	Description
K1 – 34S	K1, 12 Pad 3x4 Stainless
K1 – 26S	K1, Thinline 2x6 Stainless
K1 – 34S – ERM3	K1, 12 Pad 3x4 Stainless + ERM-3
K1 – 26S – ERM3	K1, Thinline 2x6 Stainless + ERM-3

Keyless IP



Stand Alone, Single Door IP Access Control System

- 1,000 User (Pin or Card)
- 12–16VDC In/Out
- 2 SPDT Relays (2A @ 30VDC)
- 5,000 Stored Audit Events
- 8 Programmable Schedules
- Managed via standard web browser
- DHCP or Static IP networks
- 3x4 Bezel: Stainless (S) or Black (K) 2x6 Overlay: Stainless (S) or Black (I)
- 802.3af PoE (Power Over Ethernet)
- Keypad, Proximity or Combination
- Browser "Door Dashboard" accesses remote door commands, status, alarms and recent events
- HID Proximity or iCLASS Cards and Keyfobs are available on page 2.

Essex Part No.	Description
KIP – 34S	Keyless IP, 12 Pad 3x4 Stainless Keypad
KIP – 26S	Keyless IP, Thinline 2x6 Stainless Keypad
KIPRX – 1	Keyless IP, RoxProx Narrow Globe, HID Proximity
KIPRX – 2	Keyless IP, RoxProx Single Gang Globe, HID Proximity
KIPRX – 1R	Keyless IP, RoxProx Narrow RFID, HID Proximity
KIPRX – 2R	Keyless IP, RoxProx Single Gang RFID, HID Proximity
KPIP – 34S	Keyless IP, 3x4 Stainless Keypad + HID Proximity
KSIP – 34S	Keyless IP, 3x4 Stainless Keypad + HID iCLASS



Web Browser

PROX BY HID iCLASS by HID

» **For multiple door IP Access Control Systems, please contact Essex at 1-800-KEYLESS**

*K1 Series EZKey PC Programming Software included with optional Encoded Relay Module (ERM-3)

Piezoelectric Touch Switches

Essex Piezoelectric Switches are heavy duty, stainless steel, timed electronic switches designed to operate in various high use, harsh and vandal prone environments. These multipurpose, programmable switches can be used to control an automatic door, electric lock/strike, magnetic lock or any electrically controlled device. They feature solid-state Piezoelectric Switch technology and field selectable options including adjustable timed output and illumination status.

Hand-E-Tap® Series

- Power Requirements: 12-24VAC/DC*
- One Output: 1SPDT Relay (8A @ 30VDC, 125 VAC)
- Toggle or Adjustable Output Time: 1 to 60 seconds
- Dimensions: Single gang 5⅛" x 3⅜" x 1"
- Current Draw: < 8mA Standby, 100mA max

The Hand-E-Tap Series can be customized with laser marked graphics, text, symbols or logos. No extra charge for quantities of 25 or more.

Essex Part No.	Description
PHSS1 – US	Hand-E-Tap Access Switch, ADA Wheelchair Icon, Stainless Bezel
PHSK2 – US	Hand-E-Tap Access Switch, "Push to Open", Black Bezel



PHSS1 – US



PHSK2 – US

PEB Series

- Power Requirements: 12-24VDC*
- Two Outputs: 1 N/O, 1 N/C (2A 30VDC Resistive, ½A 125 VAC)
- Adjustable Output Time: 1 to 40 seconds
- Dimensions: Single gang 4 ½" x 2 ¾" x 1 ¼" Narrow 4 ½" x 1 ¾" x 1 ¼"
- Current Draw: <10mA Standby (LED's OFF), 120mA max (Relay ON)

Essex Part No.	Description	Faceplate Graphics
PEBSS0 – US	U.S. Single Gang Switch	No Graphics
PEBSS2 – US	U.S. Single Gang Switch	"PUSH TO EXIT"
PEBSS6 – US	U.S. Single Gang Switch	"PUSH TO OPEN"
PEBSSN0	Narrow Switch	No Graphics
PEBSSN2	Narrow Switch	"PUSH TO EXIT"
PEBSSN6	Narrow Switch	"PUSH TO OPEN"



PEBSS2 – US



PEBSSN2

Touch to change color
All PEB Series feature field selectable illumination. Brilliant red, vibrant green or no illumination can be selected for standby and switch activation status

***Important Note:** Piezoelectric Touch Switches will not operate with <11VDC. Backup power (i.e. UPS) is required for operation during a power interruption.

Accessories

Stainless Spy Proof Housing



The Illuminated Stainless Steel Spy Proof Housing provides illumination and serves to limit the view of an unwelcome onlooker. For use with the 12 Pad 3x4 or Hand-E-Tap.

- 5⅝" x 3⅝" x 1" to 2¼"
- Long Lasting LED's

Essex Part No.	Description
SH-34SI-5	5VDC* Illuminated Housing
SH-34SI-12	12VDC* Illuminated Housing
SH-34S	Non Illuminated Housing

*Can be powered by an Essex Keypad DC or separate DC power source

Mullion Spacer Ring



The surface mount spacer ring is designed to simplify mullion mount installations. For use with the narrow RoxProx or PEB Series, the spacer ring is constructed of black anodized aluminum.

Essex Part No.	Description
PRXSR	Mullion spacer ring

Stainless Back Box

To solve various installation challenges, Essex offers the Stainless Steel Back Box. For use with a 12 Pad 3x4 Keypad, Hand-E-Tap, single gang RoxProx or PEB Series



- 5 ⅜" x 3 ⅝" x ½" to 1¾"
- Tilts the product 15º
- Stainless Steel Construction
- Conduit knockout for surface

Essex Part No.	Description
BAK BOX-SGS	Single Gang Back Box

LPOV.2015.R1 This document is available at www.keyless.com/PDF/pov.pdf